

## Eastern States Consortium Split Sample Comparison

Manufacturing Plant	ADS Wooster
Date of Production	5/18/2006
Type:	S
Size:	750mm (30")
Perforation Class:	Non-Perf.
Specification:	AASHTO M294

Section	Specification	Test Results	
		TRI/Environmental	ADS QC Lab
<b>6.1 Basic Materials</b>	Minimum Cell Class 335400C and SP-NCTL 15% 24hours	N/A	Pass
	Density .948 to .955 g/cm3	N/A	0.951
	Melt index .15 to .40 g/10 min.	N/A	0.32
	Carbon Black Content 2% minimum / 5% Maximum	2.79%	2.60%
<b>7.1 Workmanship</b>	Free of foreign inclusions and visible defects. Inner liner shall be fused to outer corrugated wall at all internal corrugation crests.	Pass	Pass
<b>7.2 Pipe Dimensions, 7.2.2 Wall Thickness</b>	The minimum inner wall thickness requirement is 1.5mm (0.059")	.072"	0.063"
<b>7.2 Pipe Dimensions, 7.2.3 Inside Diameter</b>	Nominal inside diameter shall not exceed 4.5% oversize or 1.5% undersize and not more than 37mm oversize. 739mm / 780mm (29.08" / 30.71")	30.00"	30.05"
<b>7.3 Perforations</b>	Solid Pipe, Class 1, Class 2	N/A	N/A
<b>7.4 Pipe Stiffness</b>	Minimum pipe stiffness requirement at 5% deflection is 195kPa (28psi), @ 0° / 45° / 90°	33 / 33 / 32	32 / 32 / 32
<b>7.5 Pipe Flattening</b>	No evidence of buckling, cracking, splitting or delamination. when the vertical inside diameter is reduced by 20%.	Pass	Pass
<b>7.6 ESCR</b>	There shall be no cracking of the pipe.	Pass	Pass
<b>7.7 Brittleness</b>	The pipe specimens shall not crack or split. Five non-failures out of six impacts will be acceptable.	Pass	Pass
<b>7.8 Fitting Requirements</b>	Pipe connections shall not separate to create a gap exceeding 5mm. (0.197") when measured between the bell and spigot portions of pipe fittings shall not crack or delaminate.	Pass	Pass
<b>11 Marking</b>	Pipe and fitting shall be marked at intervals not more than 3.5m, manufacture's name or trademark, nominal size, AASHTO M294, plant code and date of manufacture of appropriate code.	Not on report	ADS 30" 750mm, 27(Wooster)-05/18/06

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Quality Control Manager